

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-27. (Cancelled)

28. (Currently Amended) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation comprising:

a filter selected from the group consisting of non woven fabric, filtering injector structures and sheets, said filter is formed from fibers cut or in monofilaments and their mixtures; each of said fibers previously treated with anti-bacterial compounds so that the anti-bacterial compound is integrated into all of the body and core of said fiber ~~previously treated with anti-bacterial compounds~~ so that the treated fibers exhibit anti-bacterial properties at temperatures above 200°C;

said fibers ~~[[are]]~~ being of a type selected from the group consisting of:

- a) natural polymer chemical fibers which have or have not been modified,
- b) synthetic polymer chemical fibers,
- c) glass fibers,

- d) carbon fibers,
- e) other fibrous materials,
- f) bicomponents, and
- g) polycomponents

wherein the filter traps and eliminates ~~prevents the penetration of Legionella Pneumophila in airborne liquid droplets.~~

29. (Currently Amended) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation of claim 28 wherein:

said non woven fabric is formed from a mixture of two or more types of fibers and wherein said mixture of two or more fibers includes 0.5 to 99.5% of a first type of fiber and the remainder of a second type of fiber.

30. (Previously Presented) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation of claim 28 wherein:

said fibers have

- a fiber thickness in the range of 0.02 to 1,500 deniers;
- a cross section selected from a group consisting of:
 - circular, square, elliptical, hollow, trilobal, flat
 - and similar;

- a length in the range of 0.1mm to 500mm or continuous filaments;
- a weight in the range of from 5 to 2,500 grams;
- a fusion point in the range of from 60° C to 450° C; and
- a range in color from translucent / white to black and any combinations thereof.

31.-51. (Cancelled)

52. (Currently Amended) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation of claim 28 ~~further~~ wherein the filter is formed by a method comprising:

obtaining the filter ~~[[by]]~~ using conventional ~~filament fabric methods~~ machines selected from the group consisting of: Splitters, mixers, carding machines, cross lappers, felt machines, sewing machines, extruders, injectors, laminators, pre-needle punching machines, needle punchers, structurers, calendars, drying and thermofixing ovens, electrically resistant machines, direct or indirect gas flame machines, infra red thermofusion machines, embossers, welders, gluers, latex or resin and anti-bacterial component inductors, ultrafrequency machines, felting machines, fulling machines, powder application machines,

fabric gluing machines, padding machines, and scrapers.

53. (Currently Amended) A filter for filtration and elimination for Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation of claim 28 wherein ~~said fibers are selected from a~~ the group consisting further consists of artificial fibers, natural fibers and combinations of artificial and natural fibers.

54. (Currently Amended) A filter for filtration and elimination for Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation of claim 28 wherein said non woven fabric has a ~~density in the range of~~ thicknesses of 0.1 to 15cm.

55. (Cancelled)

56. (New) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation comprising:

a filter selected from a group consisting of non woven fabric, filtering injector structures and sheets, said filter is formed from fibers cut or in monofilaments and their mixtures;

each of said fibers previously treated with anti-bacterial compounds so that the anti-bacterial compound is integrated into all of the body and core of said fiber so that the treated fibers exhibit anti-bacterial properties at temperatures above 200°C;

said anti-bacterial compound is selected from the group consisting of: silver derivatives, phenoxyhalogenate derivatives with transporters, permethrin derivatives, isothiazolinone derivatives, tetraalkylammonium silicates, organozinc compounds, zirconium phosphates, sodium, triazine, oxazolidinones, isothiazolines, hemiformal, ureides, isocyanates, chlorine derivatives, formaldehydes, and carbendazim,

said fibers being of a type selected from the group consisting of:

- a) natural polymer chemical fibers which have or have not been modified,
- b) synthetic polymer chemical fibers,
- c) glass fibers,
- d) carbon fibers,
- e) other fibrous materials,
- f) bicomponents, and
- g) polycomponents

said filter are further defined as being constructed as a sandwich that is formed from a mixture of two non-woven fabrics;

wherein the filter traps and eliminates Legionella Pneumophila.

57. (New) A filter for filtration and elimination of Legionella Pneumophila in any installation at risk from Legionella Pneumophila proliferation comprising:

a filter selected from a group consisting of non woven fabric, filtering injector structures and sheets, said filter is formed from fibers cut or in monofilaments and their mixtures; each of said fibers previously treated with anti-bacterial compounds so that the anti-bacterial compound is integrated into all of the body and core of said fiber so that the treated fibers exhibit anti-bacterial properties at temperatures above 200°C;

said anti-bacterial compound is selected from the group consisting of: silver derivatives, phenoxyhalogenate derivatives with transporters, permethrin derivatives, isothiazolinone derivatives, tetraalkylammonium silicates, organozinc compounds, zirconium phosphates, sodium, triazine, oxazolidinones, isothiazolines, formaldehydes, ureides, isocyanates, chlorine derivatives, formaldehydes, and carbendazim,

said fibers being of a type selected from the group consisting of:

a) natural polymer chemical fibers which have or have not been modified,

- b) synthetic polymer chemical fibers,
- c) glass fibers,
- d) carbon fibers,
- e) other fibrous materials,
- f) bicomponents, and
- g) polycomponents

said filter is further defined as being constructed from a non-woven fabric and a second component selected from the group consisting of polypropylene, polyethylene, polyester, glass fiber, steel, aluminum and foam supports; wherein the filter traps and eliminates Legionella Pneumophila.